

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 82.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-019388**Date Inspected:** 11-Jan-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** Westmont Industries**Location:** Santa Fe Springs, CA.**CWI Name:** Ruben Dominguez**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Travelers**Summary of Items Observed:**

The Quality Assurance Inspector Sean Vance arrived on site at Westmont Industries (WMI) in Santa Fe Springs, CA, to randomly observe the in process welding, QC inspection and non-destructive testing of the Travelers.

Upon the arrival of the QA Inspector, the following observations were made:

Traveler Test Rack

On this date, the QA Inspector randomly observed WMI production personnel performing fitting, welding and cutting activities on various assemblies for the Traveler Test Rack.

SAS-EB Traveler

On this date, the QA Inspector observed 2 WMI Production personnel continuing to perform fitting activities on the previously completed sections of the SAS-EB Traveler. The QA Inspector observed that the sections had been previously relocated to the outside fabrication Bay # 6 and the sections appeared to be identified as the Elevated Truss, Fixed Stairs and Lower Truss Sections. During observation, the QA Inspector observed that various come alongs and chain falls were being utilized, during the fit-up process.

Near the end of the shift, the QA Inspector observed that the fit-up on the above mentioned three sections, appeared to still be in process, at this time.

E2/E3-EB Traveler

On this date, the QA Inspector observed WMI production welder Mr. Juan Jimenez (WID # 3059) continuing to perform Flux Core Arc Welding (FCAW) welding activities on the Frame Assembly identified as 7-A327, per the shop drawings.

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The QA Inspector observed throughout the shift, that the FCAW was being performed in various positions, on the connector plate and Tube Steel (TS) material fillet and flare groove welds.

Additionally, the QA Inspector observed WMI production welder Mr. Cesar Canales (WID # 3195) continuing to perform fitting and Flux Core Arc Welding (FCAW) tacking activities on the above mentioned assembly.

The QA Inspector observed that the material appeared to be identified as diagonal and intermediate Tube Steel (TS) material.

On this date, the QA Inspector observed Westmont industries (WMI) production welder, Mr. Charles Newton (WID # 3200) continuing to perform fitting and Flux Core Arc Welding (FCAW) activities on material, for the E2/E3-EB Traveler. The QA Inspector observed that the material appeared to be identified as stair risers to stair braces for the Elevating Platform assembly, identified as 95 A364C.

The QA Inspector observed that Mr. Newton was performing the FCAW in various positions and the welds appeared to be designated as fillet and flare groove.

The QA Inspector randomly observed that Smith-Emery QC Inspector Ruben Dominguez was present, during the above mentioned welding and fitting activities.

During random observation, the QA Inspector observed that the applicable WPS's and copies of the shop drawings, appeared to be located near each work station, where the above mentioned welding and fitting activities were being performed.

The QA Inspector randomly verified that the consumable material, utilized during the welding appeared to be in compliance with the applicable WPS and that the above mentioned welders were currently qualified for the applicable process and position of welding.

The QA Inspector randomly observed QC Inspector Dominguez verifying the in-process welding parameters, including voltage, amperage, pre-heat and travel speed and the parameters appeared to be in compliance to the applicable WPS.

Summary of Conversations:

On this date, the QA Inspector observed Westmont Industries (WMI) personnel performing set up activities on what appeared to be an initial Test on the previously assembled Trolley Train, which will be utilized for the SAS Travelers. The QA Inspector noted that at this time, Caltrans, ABFJV, T.Y. Lyn and Ingersoll Rand representatives were present to witness this initial Trolley Test. The QA Inspector also noted that the Test Rail and Trolley Train had been previously fabricated, set up and assembled by WMI production personnel.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Nina Choy (510) 385-5910, who represents the Office of Structural Materials for your project.

Inspected By:	Vance,Sean	Quality Assurance Inspector
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Reviewed By:	Edmondson,Fred	QA Reviewer
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